Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known					
Application Number	T				
Filing Date					
First Named Inventor	Chunlin Liang				
Art Unit	2823				
Examiner Name	Pham, Thanh V.				
Attorney Docket Number	42P4214D2				

	U.S. PATENT DOCUMENTS							
Exam	iner	Cite	Document Number	Publication Date		Page Column Line VI		
Initia		No.1	Number - Kind Code ² (if known)	or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
3	C		US-4,646,118	02-24-1987	Takemae			
ビ			US-4,649,625	03-17-1987	Lu			
TU	2	•	US-4,656,101	04-07-1987	Yamazaki			
	_		US-4,751,558	06-14-1988	Kenney			
			US-4,763,181	08-09-1988	Tasch, Jr.			
	\perp		US-4,811,067	03-07-1989	Fitzgerald, et al.			
\sqcup	1		US-4,894,696	01-16-1990	Takeda, et al.	•		
	_	`	US-5,001,525	03-19-1991	Kenney			
\vdash	4		US-5,026,658	06-25-1991	Fuse, et al.			
	\perp		US-5,034,347	07-23-1991	Kakihana	"		
			US-5,071,782	12-10-1991	Mori			
$\vdash \downarrow$	4		US-5,187,566	02-16-1993	Yoshikawa, et al.			
	4		US-5,250,458	10-05-1993	Tsukamoto, et al.			
\vdash	1		US-5,287,001	02-15-1994	Buchmann, et al.			
<u>.</u>	4			05-04-1994	Watanabe			
	4			05-17-1994	Beyer, et al.			
$\vdash \downarrow$	1	_	US-5,369,049	11-29-1994	Acocella, et al.			
$\vdash \downarrow$	4			01-24-1995	Park, et al.			
<u> </u>	_			01-31-1995	Sato			
TUP	<u> </u>	<i>.</i>	US-5,387,534	02-07-1995	Prall			

	FOREIGN PATENT DOCUMENTS									
Examiner	Cite	Foreign Pateral Document			T	_				
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	To				
Jim.		GB 2 246 471 A	01-29-1992	Mikoshiba, et al.						
إيت	•	EP 0 553 904 A1	01-11-1993	Beyer, et al.						
we		EP 0 751 567 A2	01-02-1997	Andricacos, et al.		 				
Jul.		EP 0 751 567 A3	11-03-1999	Andricacos, et al.		<u> </u>				
TUP		JP 07086298	03-31-1995	Takenori						
-										
	-									
·										

Examiner		Date			
Signature	whanthanh	Considered	5/15/	04	•
				. 7.	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Drew line through citation if not in conformance and not considered. Include copy of this form with next communication.

. Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of here if English tanguage Translation is attached.

**Applicant's unique citation designation number (optional). **See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. **Senter Office that issued the document. **Standard ST.16 if possible. **Applicant is to place a check mark

Based on PTO/SB/08A (05-03) as modified by Blakely, Solokoff, Taylor & Zefman (wir) 05/02/2003.

Substitute for form 1449A/PTO				C mplete if Known		
INFORMATION DISCLOSURE				Application Number		
STATEMENT BY APPLICANT			SUKE	Filing Date		
			CANT	First Named Inventor	Chunlin Liang	
	y sheets as necessa			Art Unit	2823	
				Examiner Name .	Pham, Thanh V.	
Sheet	2	of	4	Attorney Docket Number	42P4214D2	

	OTHER ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.¹	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, megazine, journal, serial, symposium, catalog, etc.), date, pege(s), volume-issue number(s), publisher, city and/or country where published.	T²					
W	,	European Patent Office Search Report dated February 13, 2001 (related to European Patent Application No. 98913144.6)						
TUP		K. Shibahara, et al. "Trench Isolation With v(NABLA) - Shaped Buried Oxide for 256 Mega-Bit Drams," 1992 IEEE (IEDM92-275 - 92-278), pgs. 10.5.1 - 10.5.4						
	-							
	# 		•					
,								
k • .								
	,							
	•							
			_					
			\dashv					

		t
Examiner	Date	
Signature Manh		i i i bi
0.3.0.000	Considered	9 1117

¹Applicant's unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08B (05-03) as modified by Blakely, Solokoff, Taylor & Zafman (wir) 05/02/2003. Send To: Commissioner for Petents, P.O. Box 1450, Alexandria, VA 22313-1450

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	3	of	4
		-	1

Compl te if Known					
Application Number					
Filing Date					
First Named Inventor	Chunlin Liang				
Art Unit	2823				
Examiner Name	Pham, Thanh V.				
Attorney Docket Number	42P4214D2				

 	U.S. PATENT DOCUMENTS							
	mine ials*	Cite	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines, Where Relevant Passages or Relevant		
		No.¹	Number - Kind Code ² (# known)	MM-DD-YYYY	of Cited Document	Relevant Passages or Relevant Figures Appear		
Î,	2		US-5,410,503	04-25-1995	Anzai			
	Ĺ	:	US-5,424,569	06-13-1995	Prall			
	_		US-5,432,365	07-11-1995	Chin, et al.			
	L.		US-5,508,541	04-16-1996	Hieda, et al.			
			US-5,508,542	04-16-1996	Geiss, et al.	,		
	L		US-5,512,767	04-30-1996	Noble, Jr.			
			US-5,521,115	05-28-1996	Park, et al.			
	L		US-5,559,048	09-24-1996	Inoue			
			US-5,573,973	11-12-1996	Sethi, et al.			
	L		US-5,594,682	01-14-1997	Lu, et al.			
			US-5,612,567	03-18-1997	Baliga			
	Ĺ		US-5,650,639	07-22-1997	Schrantz, et al.			
			US-5,662,768	09-02-1997	Rostoker			
	Ц	·	US-5,672,889	09-30-1997	Brown			
			US-5,675,176	10-07-1997	Ushiku, et al.			
\Box	<u>;'</u>	- 1	US-5,683,939	11-04-1997	Schrantz, et al.			
\sqcup	4		US-5,701,022	12-23-1997	Kellner, et al.			
<u>,</u>	/	.		03-24-1998	Hamamoto, et al.			
V				04-07-1998	Hieda, et al.			
(W)	P		US-5,739,567	04-14-1998	Wong			

	FÖREIGN PATENT DÖCUMENTS										
Examiner	Cite	Foreign Patent Document		,							
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Vhere I Applicant of Cited Document or Relev	Columns, Lines, Relevant Passages ant Figures Appear						
			•								
											
<u> </u>											
											
				A							
	{										

Examiner		1	Date		
Signature	l. ()	(, ')		- I in I Am	•
Signature	were and	Cuan L	Considered	8 113 104	
Commission 1 - Walt				<u> </u>	

"Examiner: Initial's reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ²Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark

Based on PTO/SB/08A (05-03) as modified by Blakely, Sciokoff, Taylor & Zafman (wir) 05/02/2003.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

4

Sheet 4 of

Complete if Known				
Application Number				
Filing Date				
First Named Inventor	Chunlin Liang			
Art Unit	2823			
Examiner Name	Pham, Thanh V.			
Attorney Docket Number	42P4214D2			

	U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number - Kind Code ² (if known)	D. L. F. L. F. L. D. J.	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
W		US-5,767,578	06-16-1998	Chang, et al.		
		US-5,798,545	08-25-1998			
		US-5,801,423	09-01-1998	Manning		
		US-5,851,915	12-22-1998	Miyakawa		
		US-5,909,039	06-01-1999	Bakewski, et al.		
		US-5,909,044	06-01-1999	Chakravarti, et al.		
	- '	US-5,945,707	08-31-1999	Bronner, et al.		
V		US-5,969,395	10-19-1999	Lee		
Tup		US-5,970,339	10-19-1999	Choi		
		US-				
		US-				
		US-				
 		US-				
		US-				
		US-				
		US-				
	\dashv	US-				
		US-	•			
 		US-	·			
		US-	· 1			

FOREIGN PATENT DOCUMENTS									
Examiner	Cite No.1	Foreign Patent Document.	Publication Date MM-DD-YYYY		T				
Initials*		Country Code ³ - Number ⁴ - Kind Code ³ (if known)		Name of Petentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
1,,									
									
, ,		-							
			·						

		·	
Examiner Signature	whambrank	Date Considered 5 17	lou
			(

*Examiner: Initial interence considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.usplo.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emparor must proceed the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark

Based on PTO/SB/08A (05-03) as modified by Blakely, Solokoff, Taylor & Zafman (wir) 05/02/2003.